

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-17 (cancelled)

18. (previously presented) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of longitudinally spaced elongated strips of low density cellular material and defining spaces between opposing ends of said strips, at least one layer of fibrous rovings continuously and helically surrounding each of said strips along the length thereof and the spaces therebetween, said elongated strips being connected by said helically surrounding rovings and folded to form a unitized said core panel with said rovings extending over said core surfaces and said ends of said strips and adapted to be moved to a molding process where the resin is hardened.

19. (previously presented) A core panel as defined in claim 18 and including longitudinally spaced internal transverse reinforcing members extending laterally within said strips and between said core surfaces.

20. (cancelled)

21. (cancelled)

22. (previously presented) A fiber reinforced core panel of annular configuration and adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a continuous elongated strip of low density cellular material, at least one layer of fibrous rovings continuously and helically surrounding said strip along the length thereof, said strip extending in helical path to form said annular configuration, adjacent portions of said elongated strip and said helically surrounding rovings being connected together to form a unitized said core panel with said rovings extending over said core surfaces for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

23. (previously presented) A core panel as defined in claim 22 and including generally parallel continuous fibrous rovings extending longitudinally along said strip adjacent a layer of helically surrounding rovings.

24. (previously presented) A core panel as defined in claim 22 and including longitudinally spaced internal transverse reinforcing members extending laterally within said strip and to said core surfaces.

25. (previously presented) A core panel as defined in claim 22 and including at least one internal strip of fibrous material extending longitudinally within said strip generally parallel to said opposite core surfaces.

26. (previously presented) A core panel as defined in claim 22 and including an internal resin distribution groove extending within said strip and spaced inwardly from said opposite core surfaces and intersecting said rovings between adjacent portions of said strip for supplying resin to said core surfaces through said rovings.

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27. (previously presented) A core panel as defined in claim 22 wherein said rovings are porous for receiving a hardenable adhesive resin.

28. (previously presented) A core panel as defined in claim 22 wherein said rovings include a heat activated resin.

29. (previously presented) A core panel as defined in claim 28 wherein said layer of helically surrounding rovings includes additional porous rovings adapted for bonding to adhesive reinforced scrim.

30. (previously presented) A core panel as defined in claim 22 and including a second said core panel overlying and adjacent the first said core panel.

31. (previously presented) A core panel as defined in claim 22 and including a plurality of rows of stitched rovings forming reinforcing struts extending between said opposite core surfaces.

32. (previously presented) A core panel as defined in claim 22 wherein said strip of cellular material has generally a triangular cross-sectional configuration.

33. (previously presented) A core panel as defined in claim 22 wherein said strip of material has generally a trapezoidal cross-sectional configuration.

34. (previously presented) A core panel as defined in claim 22 and including a resin barrier film adjacent at least one of said core surfaces.

35. (cancelled)

36. (new) A fiber reinforced core panel adapted for use with a hardenable resin, said core panel comprising an elongated unitized strip including a series of longitudinally arranged blocks of low density cellular material, reinforcing members separating adjacent said blocks, a first layer of continuous fibrous rovings with each of said fibrous rovings helically surrounding said strip and extending continuously along the entire length of the strip, a second layer of continuous fibrous rovings with each of said fibrous rovings helically surrounding said first layer on said strip and extending continuously along the entire length of said strip, and said rovings in said second layer extending helically in an opposite direction and crossing said rovings in said first layer.

37. (new) A core panel as defined in claim 36 wherein said reinforcing members comprise planar webs.

38. (new) A core panel as defined in claim 36 wherein said reinforcing members comprise fibrous rovings.

39. (new) A core panel as defined in claim 36 and including generally parallel continuous fibrous rovings extending longitudinally along said strip adjacent one of said layers of continuous fibrous rovings helically surrounding said strip.

40. (new) A core panel as defined in claim 39 wherein said longitudinally extending rovings are disposed adjacent longitudinally extending corners of said strip.

41. (new) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of elongated strips each having a series of longitudinally arranged blocks of low density cellular material, continuous fibrous

rovings extending around each of said blocks and between adjacent blocks, at least one layer of continuous fibrous rovings with each of said fibrous rovings helically surrounding each said strip and extending continuously along the entire length of said strip, and said elongated strips and said helically surrounding rovings surrounding said strips are connected together to form a unitized said core panel with said rovings extending over said core surfaces for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

42. (new) A core panel as defined in claim 41 and including generally parallel continuous fibrous rovings extending perpendicular to said core surfaces and adjacent and layer of said rovings extending helically around said blocks.

43. (new) A core panel as described in claim 41 and including fibrous rovings extending adjacent said core surfaces and parallel to said strips, and said rovings have a depth projecting into said foam blocks greater than a width of said rovings.

44. (new) A core panel as defined in claim 41 and including generally parallel continuous fibrous rovings extending longitudinally along at least one of said strips adjacent a layer of helically extending rovings.

45. (new) A core panel as defined in claim 44 wherein said rovings extending longitudinally along said one strip are disposed adjacent corners of said one strip.

46. (new) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of elongated adjacent strips of low density foam plastics material, each of said strips having opposite faces attached to corresponding facer sheets extending between said core surfaces of said core

panel, a first layer of continuous fibrous rovings with each of said fibrous rovings helically surrounding at least two adjacent said strips and extending continuously along the entire length of the adjacent said strips, a second layer of continuous fibrous rovings with each of said rovings helically surrounding said first layer of rovings and extending continuously along the entire length of the adjacent said strips, said rovings in said second layer crossing said rovings in said first layer, and said elongated strips and said helically surrounding rovings forming a unitized said core panel with said rovings extending over said core surfaces for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

47. (new) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of elongated adjacent strips of low density cellular material, a first layer of continuous fibrous rovings with each of said fibrous rovings helically surrounding each of parallel spaced said strips and extending continuously along the entire length of each of said strips, a second layer of continuous fibrous rovings with each of said fibrous rovings helically surrounding said first layer on each of said parallel spaced said strips along the entire length of each of said strips with said rovings in said second layer crossing said rovings in said first layer, and said elongated strips and said helically surrounding rovings being connected together to form a unitized said core panel with said rovings extending over said core surfaces on said parallel spaced said strips for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

48. (new) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of elongated strips of low density cellular

material, at least one layer of continuous fibrous rovings with each of said fibrous rovings helically surrounding each of said strips and extending continuously along the entire length of said strip, said elongated strips and said helically surrounding rovings being connected together with adjacent said strips separated by spacer strips extending longitudinally the entire length of said elongated strips between said opposite core surfaces of said core panel, and all of said elongated strips and said helically surrounding rovings being connected together to form a unitized said core panel with said rovings extending over said core surfaces for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

49. (new) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of elongated hollow tubes, at least one layer of fibrous rovings with each of said fibrous rovings helically surrounding each of said tubes and extending continuously along the entire length of said tube, said elongated tubes and said helically surrounding rovings being connected together to form a unitized said core panel with said rovings extending over said tubes and said core surfaces for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

50. (new) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of elongated strips each comprising a plurality of connected blocks of low density cellular material having at least one layer of fibrous rovings helically extending around each of said blocks, said elongated strips being connected together to form a unitized said core panel with end portions of said rovings terminating at said opposite core surfaces of said core panel for

connecting to the skins, and said connected blocks and connected strips adapted to be moved as a preform unit to a molding process where the resin is hardened.

51. (new) A fiber reinforced core panel adapted for use with a hardenable resin and having opposite core surfaces adapted to be attached to corresponding skins, said core panel comprising a plurality of elongated strips of low density cellular material, each of said strips having a portion of reduced thickness, generally parallel continuous fibrous rovings extending longitudinally along each of said strips and over said portion of reduced thickness, at least one layer of continuous fibrous rovings helically surrounding each of said strips and said longitudinally extending rovings over said portion of reduced thickness, said layer of rovings extending continuously along the entire length of each said strip, and said elongated strips and said helically surrounding rovings being connected together to form a unitized said core panel with said rovings extending over said core surfaces for receiving the skins and adapted to be moved as a preform unit to a molding process where the resin is hardened.

52. (new) A core panel as defined in claim 51 and including longitudinally spaced internal transverse reinforcing members extending laterally within each said strip and to said core surfaces.

53. (new) A reinforced composite panel comprising a core panel of low density cellular material and having opposite core surfaces, fibrous reinforcing members extending between said core surfaces, fibrous skins adjacent said core surfaces of said core panel, a hardened thermoset resin extending through said fibrous reinforcing members and through only an inner portion of at least one of said skins, and a thermoplastic resin extending through only an outer portion of said one skin.